

ABSTRACT OF THE DISCLOSURE

The invention relates to a surface layer which comprises a plurality of layers, of which one layer is a ceramic wear-resistant layer and another layer is a transition layer to a metallic substrate element. The transition layer comprises intermetallic phases and is formed by a reaction from the materials of the substrate element and of the ceramic layer.

1. A surface layer comprising a plurality of layers, of which one layer is a ceramic wear-resistant layer and another layer is a transition layer to a metallic substrate element. The transition layer comprises intermetallic phases and is formed by a reaction from the materials of the substrate element and of the ceramic layer.